



If it is still early to finish, you can continue by the following exercise, which will appear (modified) again next time.

#### 4. Vectors

What is the output of the following commands? Try to predict the solutions before you type in the commands. We define:

```
x <- c(5,2,1,4); y <- rep(1,5);
```

- a) `sum(x)`  
`range(x)`  
`length(y)`  
`sum(y)`
- b) `c(x,y,13)`
- c) `x[4] * y[2]`  
`x[2:4] + x[1:3]`
- d) `x <= 2`  
`x[x <= 2]`

#### 5. Quit the session.

Leave the R-Session by typing `q()`. Answer 'Yes' to the question.